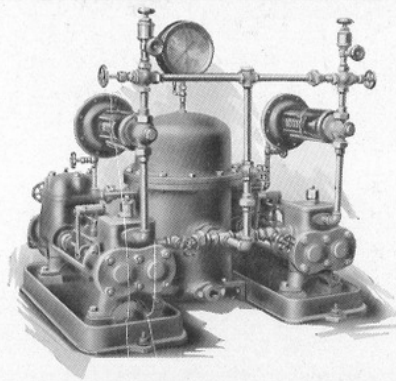


BUFFALO

Fuel Oil Outfits



Bulletin 914

Buffalo Steam Pump Co.
Buffalo, N. Y.

New York
Boston
Philadelphia
Pittsburgh
Charlotte, N. C.

Cleveland
Detroit
Chicago
St. Louis
Los Angeles

New Orleans
Atlanta
Minneapolis
Denver
Salt Lake City

Canadian Blower & Forge Co., Ltd.

Kitchener, Ont., Canada

Toronto

Montreal

Calgary

Vancouver

St. John.

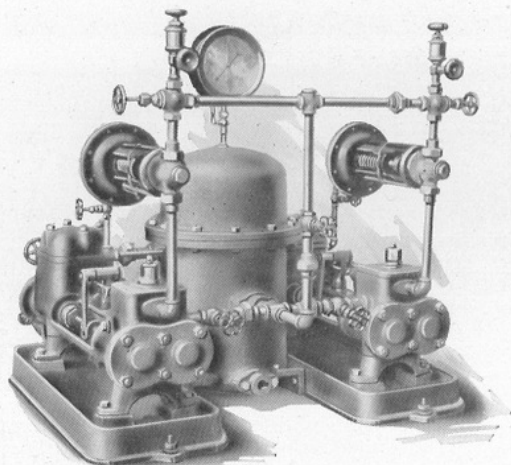


Fig. 787
Double Outfit with Oil Heater
and Duplicate Governors

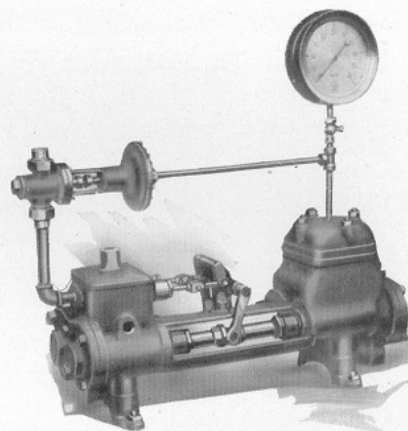


Fig. 789
Single Pump with Governor

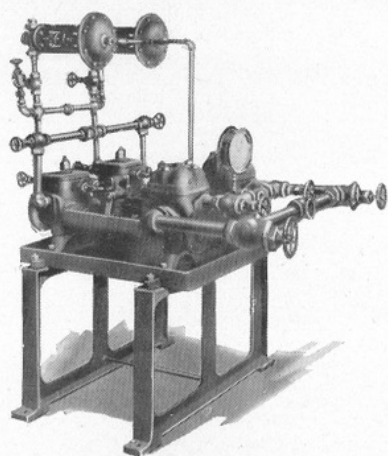


Fig. 790
Double Outfit with Stand but with-
out Heater. Air Chambers fur-
nished only on Special Order

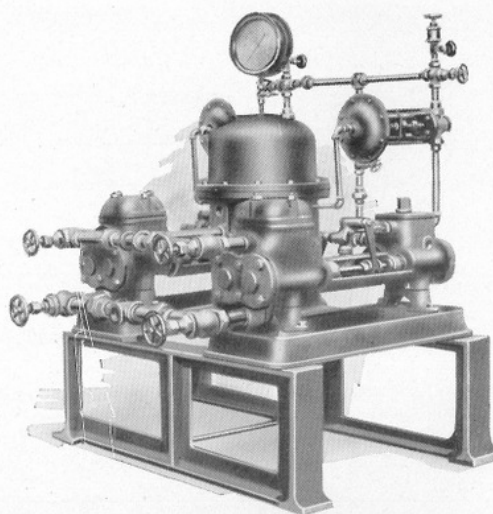


Fig. 788
Double Outfit with Oil Heater and with Stand
and Duplicate Governors

The use of Fuel Oil under steam boilers is becoming very extensive, and devices for its application are becoming more and more efficient. A correct fire cannot be obtained, however, unless the oil is fed to the burners at an even pressure, properly warmed, and strained to remove lumps and impurities.

Buffalo Fuel Oil Pumps are of the duplex piston packed type regular fitted with brass valves, and packing and gaskets suitable for handling fuel oil.

Owing to possibility of shut down, pumps are generally installed in duplicate, built into one compact unit, and so piped that either may be used. This permits repairs to be made on the idle unit.

Automatic pressure regulators control pumps to give an even discharge oil pressure. Duplicate governors are recommended with double outfits.

All outfits are furnished with oil strainer, steam cylinder lubricator, and oil pressure gauge.

Base Plate with raised edges is furnished with all double pump outfits, either with or without heater, and with single pump outfits with or without heater, and with single pump outfits with heater. Base Plate can be furnished on single pump outfits without heater on special order.

Heaters are of the specially designed Buffalo type and are equipped with safety relief valve.

Floor Stands and Air Chambers can be furnished on special order.

Use 3 x2 x3½ pump for boilers up to 800 H. P.

Use 3½x2¼x4 pump for boilers up to 1100 H. P.

Use 4½x2¾x4 pump for boilers up to 2000 H. P.

Use 4½x3¾x4 pump for boilers up to 3600 H. P.

Use 6 x4 x6 pump for boilers up to 7000 H. P.

See page 4 for specifications of pumps only.

In ordering always advise steam and oil pressure being used.

SIZE, OF OUTFIT	CODE WORD					
	Without Heater with One Gov- ernor, Fig. 780	Without Heater with Two Gov- ernors	With Heater with One Governor	With Heater with Two Gov- ernors, Fig. 787	With Heater with One Gov- ernor, Mounted on Floor Stand	With Heater with Two Gov- ernors, Mounted on Floor Stand, Fig. 788
3 x2 x3½ Single	Ebaef		Ebahd		Ebalg	
3 x2 x3½ Double	Ebans	Ebaph	Ebarl	Ebasn	Ebawb	Ebcag
3½x2¼x4 Single	Ebceh		Ebcok		Ebcym	
3½x2¼x4 Double	Ebdej	Ebdik	Ebdol	Ebdum	Ebdyn	Ebect
4½x2¾x4 Single	Ebehg		Ebelj		Ebenp	
4½x2¾x4 Double	Eberk	Ebeth	Ebezb	Ebfaj	Ebfek	Ebfil
4½x3¾x4 Single	Ebfom		Ebfun		Ebgad	
4½x3¾x4 Double	Ebgef	Ebgis	Ebgot	Ebguz	Ebhab	Ebhej
6 x4 x6 Single	Ebhil		Ebhos		Ebhux	
6 x4 x6 Double	Ebjac	Ebjeg	Ebjip	Ebjog	Ebjuy	Ebkaf

Buffalo Duplex Fuel Oil Pumps

Piston Packed

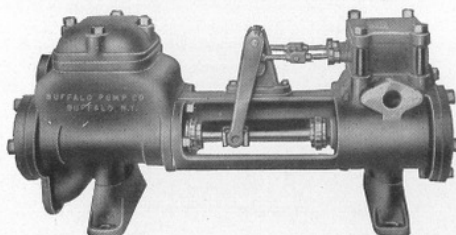


Fig. 705

Steam Cylinders: Cast iron integral with cradle, separate from water end on $4\frac{1}{2} \times 3\frac{3}{4} \times 4$ and $6 \times 4 \times 6$; integral with water end on $3 \times 2 \times 3\frac{1}{2}$, $3\frac{1}{2} \times 2\frac{1}{4} \times 4$ and $4\frac{1}{2} \times 2\frac{3}{4} \times 4$. 150 lbs. working pressure.

Steam Valves: "D" slide valves.

Valve Gear: Duplex type, cast steel valve rod heads, rocker arms, links and levers.

Steam Pistons: Cast iron, snap rings.

Piston Rods: Steel.

Stuffing Boxes and Glands: Screwed type.

Water End: Cast iron, brass lined cylinders, suction and discharge valves above pistons.

Water Valves: Bronze disc type, bronze stems, brass springs.

Valve Seats: Bronze, screwed into decks.

Water Pistons: Cast iron, removable follower type.

Packing: Suitable for handling fuel oil.

Gaskets: Suitable for handling fuel oil.

Wrenches: All necessary special wrenches.

Standard Fittings

Diameter of Steam Cylinders, Inches	Diameter of Oil Cylinders, Inches	Stroke, Inches	Maximum Allowable Working Pressure on Oil End, Lbs.	Maximum Piston Speed, Feet per Minute	Maximum Capacity, Gallons per Minute	Horse Power Boilers Pump will Handle at Moderate Piston Speed	Diameter of Pipes, Inches				Approximate Floor Space, Inches
							Steam	Exhaust	Suction	Discharge	
3	2	$3\frac{1}{2}$	150	45	14	800	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$	1	10x28
$3\frac{1}{2}$	$2\frac{1}{4}$	4	150	50	20	1100	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$	11x30
$4\frac{1}{2}$	$2\frac{3}{4}$	4	150	50	30	2000	$\frac{1}{2}$	$\frac{3}{4}$	2	$1\frac{1}{2}$	13x30
$4\frac{1}{2}$	$3\frac{3}{4}$	4	75	50	57	3600	$\frac{1}{2}$	$\frac{3}{4}$	$2\frac{1}{2}$	2	14x35
6	4	6	150	65	78	7000	1	$1\frac{1}{2}$	3	2	17x42

SCANNED BY: AEM OF LOCKPORT NY USA

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ELMA, NEW YORK USA**

**COURTESY OF: WESTERN NY GAS & STEAM ENGINE ASSOCIATION
ALEXANDER NEW YORK USA
WWW.ALEXANDERSTEAMSHOW.COM**

NOTE: ORIGINAL DOCUMENT HAD WATER DAMAGE